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Application Number		10566112
Filing Date		2006-01-24
First Named Inventor	Chen, J.	
Art Unit	1618	
Examiner Name	D. Jones	
Attorney Docket Number	57637-1062	

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	2	6143274	A	2000-11-07	Tweedle et al.	
	3	6093382	A	2000-07-25	Wedeking et al.	
	4	6066309	A	2000-05-23	Zamora et al.	
	5	6027710	A	2000-02-22	Higashi et al.	
	6	5976495	A	1999-11-02	Pollak et al.	
	7	5886142	A	1999-03-23	Thakur et al.	
	8	5846519	A	1998-12-08	Tweedle et al.	

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	9	5780006	A	1998-07-14	Pollak et al.	
	10	5720934	A	1998-02-24	Dean et al.	
	11	5688487	A	1997-11-18	Linder et al.	
	12	5665329	A	1997-09-09	Ramalingam et al.	
	13	5662885	A	1997-09-02	Pollak et al.	
	14	5656254	A	1997-08-12	Ramalingam et al.	
	15	5608110	A	1997-03-04	Ramalingam et al.	
	16	5474756	A	1995-12-12	Tweedle et al.	
	17	5393512	A	1995-02-28	Vanderheyden et al.	
	18	5387409	A	1995-02-07	Nunn et al.	
	19	5384113	A	1995-01-24	Deutsch et al.	

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	20	5367080	A	1994-11-22	Toner et al.	
	21	5364613	A	1994-11-15	Sieving et al.	
	22	5262175	A	1993-11-16	Solanki	
	23	5219556	A	1993-06-15	Wolfangel	
	24	5183653	A	1993-02-02	Linder et al.	
	25	5128119	A	1992-07-07	Griffiths	
	26	5118797	A	1992-06-02	Jurisson et al.	
	27	5075099	A	1991-12-24	Srinivasan et al.	
	28	5053493	A	1991-10-01	Pak et al.	
	29	5021556	A	1991-06-04	Srinivasan	
	30	4075314	A	1978-02-21	Wolfangel et al.	

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	31	4963344	A	1990-10-16	Gries et al.	
	32	4957939	A	1990-09-18	Gries et al.	
	33	4935222	A	1990-06-19	Deutsch et al.	
	34	4885363	A	1989-12-05	Tweedle et al.	
	35	4808705	A	1989-02-28	Ferris	
	36	4793987	A	1988-12-27	Henderson et al.	
	37	4707353	A	1987-11-17	Bugaj et al.	
	38	4652440	A	1987-03-24	Paik et al.	
	39	4647447	A	1987-03-03	Gries et al.	
	40	4645660	A	1987-02-24	Takahashi et al.	
	41	4510125	A	1985-04-09	Grogg et al.	

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42	4451451	A	1984-05-29	Rimmer	
43	4440738	A	1984-04-03	Fawzi et al.	
44	4416865	A	1983-11-22	Rhodes et al.	
45	4411881	A	1983-10-25	Tzodikov	
46	4390517	A	1983-06-28	O'Brien et al.	
47	4364920	A	1982-12-21	Winchell	
48	4232000	A	1980-11-04	Fawzi	

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	1	Garrison, W. M., "Reaction Mechanisms on the Radiolysis of Peptides, Polypeptides, and Proteins", Chem. Rev. 1987, 87, 381-398.	<input type="checkbox"/>
	2	Brechbiel MW, Gansow OA, "Backbone-substituted DTPA ligands for 90Y radioimmunotherapy", Bioconj. Chem. 1991; 2: 187-194.	<input type="checkbox"/>
	3	Liu and Edwards, "99mTc-Labeled Small Peptides as Diagnostic Radiopharmaceuticals", Chem Rev. 1999, 99, 2235-2268.	<input type="checkbox"/>
	4	Caravan et al., "Gadolinium(III) Chelates as MRI Contrast Agents: Structure, Dynamics, and Applications", Chem. Rev. 1999, 99, 2293-2352.	<input type="checkbox"/>
	5	Langer, M. et al., "99mTc-Labeled Neuropeptide Y Analogues as Potential Tumor Imaging Agents", Bioconjugate Chem. 2001, 12, 1028-1034.	<input type="checkbox"/>
	6	Mukai, H. et al. "G Protein Antagonists A novel hydrophobic peptide competes with receptor for G protein binding", Biol. Chem. 1992, 267, 16237-16243.	<input type="checkbox"/>
	7	Soll, R. et al. "Novel Analogues of Neuropeptide Y with a Preference for the Y1-receptor", Eur. J. Biochem. 2001, 268, 2828-2837.	<input type="checkbox"/>
	8	Langer, M. et al. "Novel Peptide Conjugates for Tumor-Specific Chemotherapy" J. Med. Chem. 2001, 44, 1341-1348.	<input type="checkbox"/>
	9	Kwekkreboom, D. et al. "Cholecystikinin Receptor Imaging Using an Octapeptide DTPA-CCK Analogue in Patients with Medullary Thyroid Carcinoma", Eur. J. Nucl Med. 200, 27, 1312-1317. (2001)	<input type="checkbox"/>

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10	Blok, D. et al. "Peptide Radiopharmaceuticals in Nuclear Medicine", Eur. J. Nucl Med. 1999, 26, 1511-1519.	<input type="checkbox"/>
11	Reubi, J. et al. "Co-expressed peptide receptors in breast cancer as a molecular basis for in vivo multireceptor tumour targeting" Eur. J. Nucl Med. 2002, 29, 855-862.	<input type="checkbox"/>
12	Heppeler A. et al. "Receptor targeting for tumor localisation and therapy with radiopeptides", Current Medicinal Chemistry (2000), 7(9), 971-994.	<input type="checkbox"/>
13	Li, W.P. et a. "Development of an in vitro model for assessing the in vivo stability of lanthanide chelates." Nucl. Med. Biol. 2001; 28(2): 145-154.	<input type="checkbox"/>
14	Siemion, I. Z. et al. "Anti-IL-1 Activity of Peptide Fragments of IL-1 Family Proteins", Peptides 1998, 19, 373-382.	<input type="checkbox"/>
15	McAfee, J. et al. "Radiolabeled Peptides and Other Ligands for Receptors Overexpressed in Tumor Cells for Imaging Neoplasms", Nuclear Medicine and Biology, 1996, 23, 673-676.	<input type="checkbox"/>
16	Parker, D. et al. "Implementation of macrocycle conjugated antibodies for tumor-targeting", Pure and Applied Chemistry (1989), 61(9), 1637-41.	<input type="checkbox"/>
17	Schubiger, P. et al. "Vehicles, Chelators, and Radionuclides: Choosing the "Building Blocks" of an Effective Therapeutic Radioimmunoconjugate", Bioconjugate Chemistry (1996), 7(2), 165-79.	<input type="checkbox"/>
18	Cai, R. et al. "Potent bombesin antagonists with C-terminal Leu- (CH ₂ -N)-Tac-NH ₂ or its derivatives", Proceedings of the National Academy of Sciences of the United States of America (1994), 91(26), 12664-8.	<input type="checkbox"/>
19	Moody, Terry W. "Peptides and growth factors in non-small cell lung cancer", Peptides (Tarrytown, New York) (1996), 17(3), 545-555.	<input type="checkbox"/>
20	Wilbur, D. Scott. "Radiohalogenation of proteins: An overview of radionuclides, labeling methods and reagents for conjugate labeling", Bioconjugate Chemistry (1992), 3(6), 432-70.	<input type="checkbox"/>

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21	Bolin, D. et al. "Comparison of Cyclic and Linear Analogs of Vasoactive Intestinal Peptide", Peptides: Chemistry, Structure and Biology, Mayflower Scientific LTD., 1996, pgs 174-175.	<input type="checkbox"/>
22	Kim S. H. et al. "Potent Somatostatin Analogs Containing N-terminal Modifications" Peptides: Chemistry, Structure and Biology, Mayflower Scientific LTD., 1996, pgs 241-243.	<input type="checkbox"/>
23	Bitan, G. et al. "Structure-Activity Relationship Studies of New Backbone-cyclic Substance P Analogs" Peptides: Chemistry, Mayflower Scientific LTD., 1996, pgs 697-698.	<input type="checkbox"/>
24	<p style="text-align: center;">Bombesin</p> Coy, D. H. et al. "Probing Peptide Backbone Function in Bpmbesin " J. Biol. Chem., 1988, 263, pp. 5056-60.	<input type="checkbox"/>
25	Leban, J. et al. "Structure-activity relationship study on GRP antagonists having a C-terminal DPro (CH ₂ NH)Phe-NH ₂ " Pept.: Chem., Struct. Biol., Proc. Am. Pept. Symp., 13th (1994), Meeting Date 1993, 417-19.	<input type="checkbox"/>
26	Fischman, A. et al. "A ticket to ride: peptide radiopharmaceuticals" Journal of Nuclear Medicine (1993), 34(12), 2253-63.	<input type="checkbox"/>
27	Lister-James, et al. "Pharmacokinetic considerations in the development of peptide-based imaging agents", The quarterly journal of nuclear medicine : official publication of the Italian Association of Nuclear Medicine (AIMN) [and] the International Association of Radiopharmacology (IAR) (1997), 41(2), 111-8.	<input type="checkbox"/>
28	Qin, Y et al. "Bombesin antagonists inhibit in vitro and in vivo growth of human gastric cancer and binding of bombesin to its receptors", Journal of Cancer Research and Clinical Oncology (1994), 120(9), 519-28.	<input type="checkbox"/>
29	Eckelman, W. "Radiolabeling with technetium-99m to study high-capacity and low-capacity biochemical systems", European Journal of Nuclear Medicine (1995), 22(3), 249-63.	<input type="checkbox"/>
30	Krenning, E. et al "Essentials of peptide receptor scintigraphy with emphasis on the somatostatin analog octreotide", Seminars in Oncology (1994), 21(5, Suppl. 13), 6-14.	<input type="checkbox"/>
31	Davis T. et al. "Metabolic stability and tumor inhibition of bombesin/GRP receptor antagonist." Peptides, 1992, 13, 401-407.	<input type="checkbox"/>

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32	Fritzberg, A. et al. "Molecular targeting chemistry in rationale drug design", Chem. Struct. Approaches Ration. Drug Des. (1995), 125-58.	<input type="checkbox"/>
33	Jensen R. et al. "Bombesin receptor antagonists: different classes and cellular basis of action", Recent results in cancer research. (1993), 129, 87-113.	<input type="checkbox"/>
34	Kasokat T et al. "Quantification of dechelation of gadopentetate dimeglumine in rats." Diagnostic Aids, 1992; 42(6): 869-76.	<input type="checkbox"/>
35	Cutler C. et al. "Current and potential therapeutic uses of lanthanide radioisotopes." Cancer Biother. Radiopharm. 2000; 15(6).	<input type="checkbox"/>
36	Reubi et al. "The Role of Peptides and Their Receptors as Tumor Markers" Gastrointestinal Hormones in Medicine, Vol. 22, No. 4, pg. 899-939.	<input type="checkbox"/>
37	Budsky, er al. "Preparation methods for bifunctional chelatones for conjugation with antibodies" Radioisotopy (1990), 31(4), 70-80)).	<input type="checkbox"/>

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